云 南 植 物 研 究 1987; 9 (4): 397—400
Acta Botanica Yunnanica

贵州蕨类植物新种

王培善

(安顺卫生学校，贵州)

NEW FERNS FROM GUIZHOU

Wang Peishan

(*Hygienical School of Anshun, Guizhou Province*)

关键词 荔波假脉蕨；荔波凤尾蕨；茂兰肋毛蕨；心基盾蕨

Key words *Crepidomanes liboense*; *Pteris liboensis*; *Ctenitis maolanensis*; *Neolepisorus basicordatus*

荔波假脉蕨 新种 图1，1—3

Crepidomanes liboense P. S. Wang, sp. nov.

Species statura *C. latealati* (v. d. B.) Copel. accedit, differt alis rachidis planis nec caperatis, venulis spuriis subparallelis ad nervum, valvis rotundatis nec deltoides.

Rhizoma late repens, vix 1 mm diametro, dense nigropiloso, frondibus distantibus erectis; stipes brevis, 1—3 mm longus, anguste alatus; lamina 1.5—2.5 cm longa, 1—2 cm lata, late ovata usque oblongo-ovata, apice obtusa, basi cuneata, pellucida glabrata bipinnatifida; segmenta I. Ord. 4—6-jugata, confera alterna oblique patentia, basi cuneata, ad alas latas rachidis confluentia, infima maxima, 6—10 mm longa, 4—7 mm lata, oblique oblonga, apice obtusa, profunde pinnatifida; segmenta II. Ord. 2—3-jugata, 1—4 mm longa, oblongo-linearia, margine integra plana, apice plerumque bifida et subacuta; nervi utrique prominuli, venulae spuriae 1—2 seriatae, interruptae subparallelae, prope marginem positae; pagina frondis textura in sicco herbacea, viridis vel atro-viridis; sori in axillis segmentorum siti; involucrum infundibuliforme e basi attenuatum versus orem gradatim expansum; os breviter bilabiatum; valvae rotundatae, integrae vel undulatae; receptaculum longe exsertum. Sporae rotundae, ornamentis granulosis.

1986-08-21收稿

Guizhou austr.（贵州南部）：Libo Xian（荔波县），Banzhai, Langgan, alt. 660 m, upon the rock and tree trunk under thick moist mixtured forest. P. S. Wang et al.（王培善等）76649 (Typus, HGAS*; Isotypus, HEGUY**), 15. V. 1984.

根状茎细长而横走，粗不及1毫米，密被黑色短毛。叶远生，直立；叶柄短，长1—3毫米，两侧具狭翅；叶片长1.5—2.5厘米，宽1—2厘米，阔卵形至长卵形，先端钝，基部楔形，半透明，两面光滑，二回羽裂；一回裂片4—6对，密接、互生、斜展，基部楔形，与叶轴的翅相连；基部羽片通常最大，长6—10毫米，宽4—7毫米，长圆形，先端钝，羽状深裂；二回裂片2—3对，长1—4毫米，长圆线状，边缘全缘而平坦，其先端往往二叉浅裂并近于锐尖；叶脉在两面稍凸起，假脉不连续，1—2行，与侧脉平行而略近叶缘；叶干后草质，绿色至深绿色；孢子囊群生于向轴的短裂片上，囊苞漏斗形，基部狭缩，向口部渐膨大，口部浅裂为两圆形唇瓣，唇瓣边缘全缘或稍呈波状，囊群托长而突出。孢子近圆形，具颗粒状纹饰。

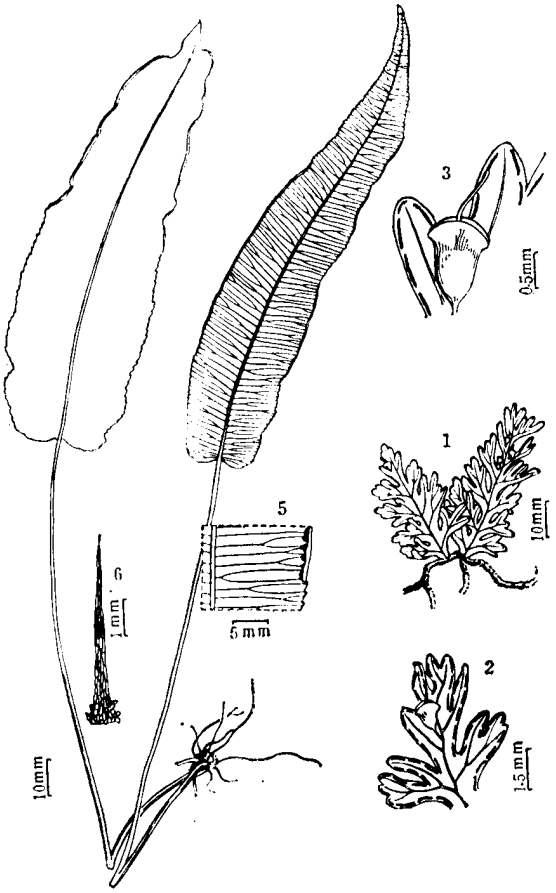

图1 1—3 荔波假脉蕨Crepidomanes liboense P. S. Wang 1.植株全形；2.叶片一段放大，示假脉；3.囊苞放大。4—6荔波凤尾蕨 Pteris liboensis P. S. Wang 4.植株全形；5.叶片局部；6.根状茎上的鳞片。（何平绘）

本种形体大小近*C. latealatum* (v. d. B.) Copel.，不同的是叶轴的翅平坦而不皱褶，假脉与叶脉平行，唇瓣圆形，不为三角形。

荔波凤尾蕨 新种 图1，4—6

Pteris liboensis P. S. Wang, sp. nov.

Species specialis Pteridis, frondibus simplicibus, lamina basi cordata, a congeneris omnibus facile distinguitur.

Rhizoma breve, erectum, apice paleis crassiusculis lanceolatosubulatis nigrescentibus obtectum, frondibus simplicibus fasciculatis; stipes tenuis, 18—22 cm longus, 1—1.5 mm diametro, stramineus, glaber; lamina lineari-lanceolata, ca. 15 cm longa, 3—4 cm lata, apice acuminata (?), basi cordata, margine fertilis in

* HGAS = Herbarium of Guizhou Academy of Sciences

** HEGUY = Herbarium of Institute of Ecology & Geobotany, Yunnan University

medio integra, illa sterilis versus basin et apicem dentibus cartilagineis praeditis; pagina frondis textura in sicco tenuiter chartacea, virescente brunnea, utrinque glabra; venae laterales furcatae, fere patentes, supra visibiles, sublus manifestae; indusium griseum, firmum, integrum. Sporae triangulares, irregulariter tuberculatis.

Guizhou austr. (贵州南部): Libo Xian (荔波县), Wengang, Mogan, Longwang Shan, alt. 980 m, under forest, P. S. Wang (王培善) 76348 (Typus, HGAS), 3. Ⅳ. 1984.

根状茎短而直立，先端被鳞片，鳞片厚，黑色，披针状钻形。叶簇生，单叶；叶柄细，长18—22厘米，粗1—1.5毫米，禾秆色，光滑；叶片线状披针形，长约15厘米，宽3—4厘米，先端渐尖（？），基部心脏形，中部能育部分的边缘全缘，向上和向下的不育边缘具软骨质的锐齿；叶干后薄纸质，绿褐色，两面光滑；侧脉叉分，几平展，上面可见，下面明显；孢子囊群盖连续，灰色，质坚，全缘。孢子三角形，具不规则的小瘤状纹饰。

本新种为凤尾蕨属（*Pteris* L.）中的一个独特的成员，叶为单叶，叶片基部心脏形，容易和本属其它成员相区别。

茂兰肋毛蕨　新种　图2，1—4

Ctenitis maolanensis P. S. Wang, sp. nov.

Species affinitate *C. rhodolepidis* (Clarke) Ching, differt pagina textura crassiore, subtus glandulis sanguineis clavulatis dense vestitis, stipite rachique paleis rufis, soris minoribus, indusiis persistentibus.

Guizhou austr. (贵州南部): Libo Xian (荔波县), Wengang, Bulong, alt. 920 m, under dense forest, P. S. Wang et al. (王培善等) 76675 (Typus, HGAS; Isotypus, HEGUY), 19. V. 1984.

本种近似C. rhodolepis (Clarke) Ching，但叶质较厚，下面密被血红色棒状腺体，叶柄与叶轴上的鳞片红棕色，孢子囊群较小，囊群盖宿存，故易区别。

心基盾蕨　新种　图2，5—7

Neolepisorus basicordatus P. S. Wang, sp nov.

Species insignis, lamina basi cordata a congeneris omnibus distinguenda.

Rhizoma late repens, 2 mm diametro, brunneum, paleis brunneis ovato-lanceolatis ca. 4 mm longis apice acuminatis basi peltatis margine obtuse-denticulatis sparse vestitum, frondibus remotis; stipes 12—19 cm longus, 1—2 mm diametro, fuscus, paleis persparse obtectus; lamina deltoidea usque ovato-deltoidea, integra, 12—21 cm longa, 6—9 cm lata, apice acuminata, basi latissima cordata; costa utrinque elevata; venae laterales manifestae, paulo oblique patentes; venulae anastomosantes invisibiles; pagina frondis textura in sicco tenuiter chartacea, supra glabra, subtus paleis pavis clathratis margine grosse dentatis sparse cospersa. Sori rotundes ca. 2 mm in diam. juventute paraphysibus, minutis peltatis clathratis obtecti, inter venam biseriati, inter costam et marginem irregulariter 1—4 seriati;

sporae ellipticaes pallide brunneae, ornamentis dense tuberculatis.

Guizhou austr.（贵州南部）：Libo Xian（荔波县），Banzhai, Dongweng, alt. 660 m, on rocks under thick mixtured forest. P. S. Wang et al.（王培善等）76585 (Typus, HGAS; Isotypus HEGUY), 14. V. 1984.

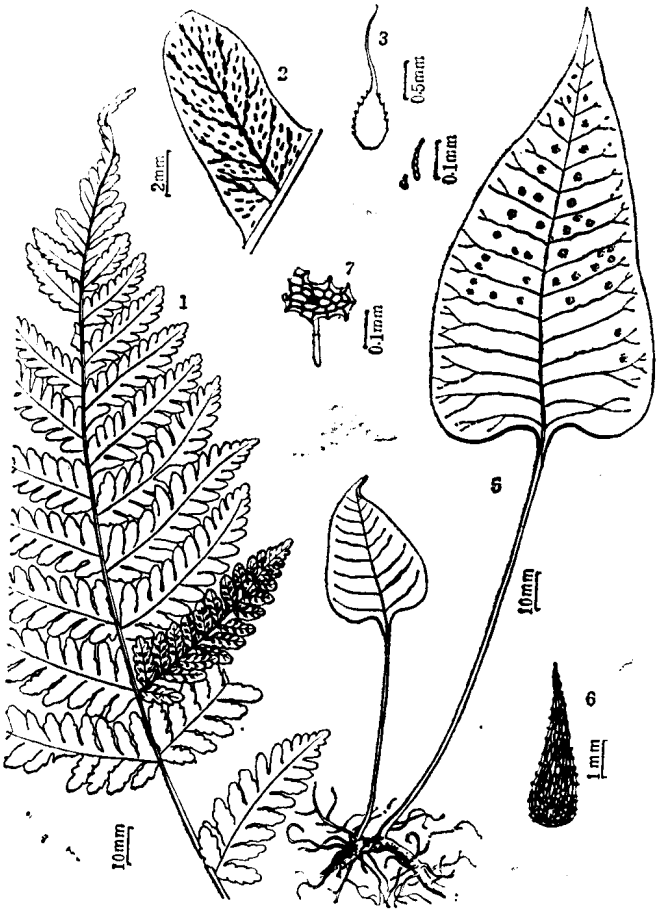

图2 1—4 茂兰肋毛蕨Ctenitis maolanensis P. S. Wang 1.羽片；2.裂片放大，示腺体；3.小羽片背面的鳞片；4.小羽片腹面的节状毛。5—7 心基盾蕨Neolepisorus basicordatur P. S. Wang 5.植株全形；6.根状茎上的鳞片；7.盾形隔丝。（何平绘）

根状茎长而横走，粗2毫米，褐色，疏被鳞片；鳞片褐色，卵状披针形，长约4毫米，先端渐尖，基部盾状，边缘具粗齿。叶远生，叶柄长12—19厘米，粗1—2毫米，棕色，稍被鳞片；叶片三角形至卵状三角形，全缘，长12—21厘米，宽6—9厘米，先端渐尖，基部最宽，心脏形；中肋两面凸出，侧脉明显，多少斜展；网脉不显。叶干后薄纸质，上面光滑，下面疏被边缘有粗牙齿的粗筛孔状小鳞片。孢子囊群圆形，直径约2毫米，幼时被小的粗筛孔状盾形隔丝，在侧脉间排列成2行，在中肋与叶缘之间为不规则的1—4行。孢子椭圆形，淡棕色，表面密被小瘤块状纹饰。

一个突出的种，叶片基部心脏形，不同于该属其它各个种。

致谢 本文蒙朱维明老师指导。